

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2020	703/14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:58
L2	6	I1 and (impedance and \$match\$3). CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:02
L3	55	326/20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:59
L4	2297	326/30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:01
L5	978	I4 and (impedance same \$3match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:01
L6	5320	326/30 455/62 455/118 455/304	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:01
L7	1192	I6 and (impedance same \$3match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:01
L8	1107	I6 and (impedance near3 \$3match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:01

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L9	10	I8 and source and sink and block and propagat\$3 and reverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:02
L10	134	I1 and (impedance and \$match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:02
L11	0	I10 and source and sink and block and propagat\$3 and reverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:02
L12	3	I10 and source and sink and block and propagat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:08
L13	36	(pekarek santos hudson).in. and (impedance same \$3match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 20:08
S1	131	(netlist or schematic) same impedance and (transfer near3 function) and (frequency same domain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:58
S2	66	S1 and simulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 19:30
S3	8393	impedance same mismatch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:26

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S4	6305	impedance near3 mismatch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:26
S5	916	S4 and simulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:26
S6	123	S5 and (transfer near3 function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:27
S7	86	S6 and @ad<"20020629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:53
S8	1514	703/14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 12:12
S9	18	S8 and (impedance adj \$3match\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 12:12
S10	2	S9 and (transfer adj function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 12:12
S11	2	("2001/0045843").URPN.	USPAT	OR	OFF	2007/08/30 19:52
S12	65986	impedance near3 \$3match\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:53

## EAST Search History

S13	6310	S12 and simulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 19:53
S14	1105	S13 and block and input and output and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 19:54
S15	538	S14 and propagat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 19:54
S16	69	S15 and source and sink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 19:54


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**Direct simulation of acoustic scattering by two- and three-dimensional bodies - all 3 versions »**

OA Laik, PJ Morris - Journal of Aircraft, 2000 - pdf.aiaa.org

 ... Direct **Simulation** of Acoustic Scattering by Two- and ... is an extension of the **impedance**
**mismatch** method, in which ... with a region of different acoustic **impedance**. ...

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**A Unity Gain High Speed Buffer to Improve Signal Integrity in High Frequency Test Interface - all 4 versions »**

IT Sylla, M Slamani, B Kaminska - Journal of Electronic Testing, 2001 - Springer

 ... Since the buffer **propagation** delay is small, the ob ... also be de-embedded by using **simulation** or measure ... We have proposed an approach for the **impedance mismatch**.

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**... focused ultrasound and tissue heating: the effect of nonlinear sound propagation and vessel presence**

FP Curra, PD Mourad, VA Khokhlova, LA Crum - Ultrasonics Symposium, 1998.

 Proceedings., 1998 IEEE, 1998 - [ieeexplore.ieee.org](#)

 ... The acoustic **propagation** is assumed to be entirely in liver and no **impedance mismatch** is ... Figure 1 shows the **simulation** setup. L Transcifer ...

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**Impact of self-heating and thermal coupling on analog circuits in SOI CMOS - all 5 versions »**

 BM Tenbroek, MSL Lee, W Redman-White, RJT Bunyan, ... - Solid-State Circuits, IEEE Journal of, 1998 - [ieeexplore.ieee.org](#)

 ... Since the thermal **impedance** represents a multipole low ... digital inputs, as predicted by the SPICE **simulation**. ... this particular example, the random **mismatch** due to ...

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**Architecture, design, and test of continuous-time tunable intermediate-frequency bandpass delta-sigma ... - all 3 versions »**

 G Raghavan, JF Jensen, J Laskowski, M Kardos, MG ... - Solid-State Circuits, IEEE Journal of, 2001 - [ieeexplore.ieee.org](#)

 ... In this **simulation**, the clock signal was chosen to be a sine wave with ... The use of low common-mode **impedance** alleviates **mismatch** problems and removes ...

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**Electrical packaging requirements of CMOS ULSI devices, and fundamental electrical performance limits ...**

 Y Wen, R Senthinathan, W Valentine, M Mahalingam - Electronic Components and Technology Conference, 1995. ..., 1995 - [ieeexplore.ieee.org](#)

 ... system in terms of **propagation** delay, crosstalk ... SSN, crosstalk, and ringing due to **impedance mismatch**. ... current drive capabilities (ie **source/sink** specifications ...

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#### [Combined Differential and Common-Mode Scattering Parameters: Theory and Simulation](#) - all 4 versions »

DE Bockelman, WR Eisenstadt - IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 1995 - [ieeexplore.ieee.org](#)

... DIFFERENTIAL AND COMMON-MODE SCATTERING PARAMETERS: THEORY AND SIMULATION 1531 +

4 ... TEM, fashion with a well-defined characteristic **impedance** and propagation ...

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#### [Suppression of stimulation artifacts from myoelectric-evoked potential recordings](#) - all 3 versions »

M Knaflitz, R Merletti - Biomedical Engineering, IEEE Transactions on, 1988 - [ieeexplore.ieee.org](#)

... errors and artifacts (eg, due to **impedance** mismatch ... This allows **simulation** of propagation in large in vitro ... This can result from impedance mismatch at the ...

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#### [Scalp electrode impedance, infection risk, and EEG data quality](#) - all 17 versions »

TC Ferree, P Luu, GS Russell, DM Tucker - Clinical Neurophysiology, 2001 - [somn.us](#)

... to isolation mode noise is largely independent of electrode **impedance mismatch**, and is ... We have done this in computer **simulation** by injecting current through ...

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#### [Calibrating the UHF technique of partial discharge detection using a PD simulator](#) - all 4 versions »

AG Sellars, SJ MacGregor, O Farish - Dielectrics and Electrical Insulation, IEEE Transactions on ..., 1995 - [ieeexplore.ieee.org](#)

... likely to be proportional to 1, and 1. The discharge **simulator** was therefore ... The inefficiency was attributed to an **impedance mismatch** between the output of the ...

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#### [Effects of mutual coupling on super-resolution DF in linear arrays](#)

C Roller, W Wasyliwskyj - Acoustics, Speech, and Signal Processing, 1992. ICASSP-92., ..., 1992 - [ieeexplore.ieee.org](#)

... **Simulation** results examine the effects of **mismatch** in antenna termination **impedance**

upon DF performance, using parameters from a typical mobile cellular radio ...

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#### [Fabrication and characterization of surface micromachined capacitive ultrasonic immersion transducers](#) - all 6 versions »

X Jin, I Ladabaum, FL Degertekin, S Calmes, BT ... - Microelectromechanical Systems, Journal of, 1999 - [ieeexplore.ieee.org](#)

... The computer **simulation** agrees with experimental data to the first order. ... It includes:

a) attenuation from **impedance mismatch** of both transmitter and receiver ...


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#### A low-power subscriber line interface circuit in a high-voltage CMOS technology - all 2 versions »

M Vahidfar, A Tajalli, M Atarodi - Circuits and Systems, 2002. ISCAS 2002. IEEE International ..., 2002 - [ieeexplore.ieee.org](#)

... For greater **mismatch** in external resistors, it will be ... In addition to matching, high input **impedance** and high ... maximum and minimum LB in Monte-Carlo **simulation**. ...

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#### A gigabit-rate five-highway GaAs OE-LSI chipset for high-speed optical interconnections between ... - all 4 versions »

H Yamanaka, M Sasaki, S Kikuchi, T Takada, M Idda - Selected Areas in Communications, IEEE Journal on, 1991 - [ieeexplore.ieee.org](#)

... fast enough because of crosstalk, **impedance mismatch**, high transmission ... both **sink-type** and **source-type** LD ... SPICE **simulation** was used for optimizing circuit ...

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#### Restoration of Normal Conduction Properties in Demyelinated Spinal Cord Axons in the Adult Rat by ... - all 4 versions »

O Honmou, PA Felts, SG Waxman, JD Kocsis - Journal of Neuroscience, 1996 - Soc Neuroscience

... and these changes can lead to **impedance mismatch** that produces ... here indicates that an exogenous **source** of myelin ... M (1972) A computer **simulation** of conduction in ...

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#### Q control for capacitively coupled MRI/MRSI RF coil - all 2 versions »

LE Crooks, MA Arakawa - US Patent 5,172,061, 1992 - Google Patents

... MISMATCHED RF <sup>^</sup> **SOURCE/SINK** ... The **impedance mismatch** may be effected remotely from

the coil (eg, at ... dif- ferent from the effective **source impedance** presented to ...

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#### [book] A completey on-chip voltage regulation technique for low power digital circuits - all 5 versions »

LR Carley, A Aggarwal - 1999 - ACM Press New York, NY, USA

... buffer offers a low DC output **impedance**, a high ... to account for a worst-case **mismatch** between the ... circuitry involved along with detailed **simulation** results is ...

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#### Investigation of electronic packaging on the performance of SAW devices

X Yang, C Finch, T Wu - Electromagnetic Compatibility, 2001. EMC. 2001 IEEE ..., 2001 - [ieeexplore.ieee.org](#)

... To minimize the characteristic **impedance mismatch** between the waveguide ... will have to be removed after the **simulation**. 2. Lumped Gap **Source** Lumped gap sources ...

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#### An 8-Bit 2-gigasample/second A/D converter multichip module for digital receiver demonstration on ... - all 3 versions »